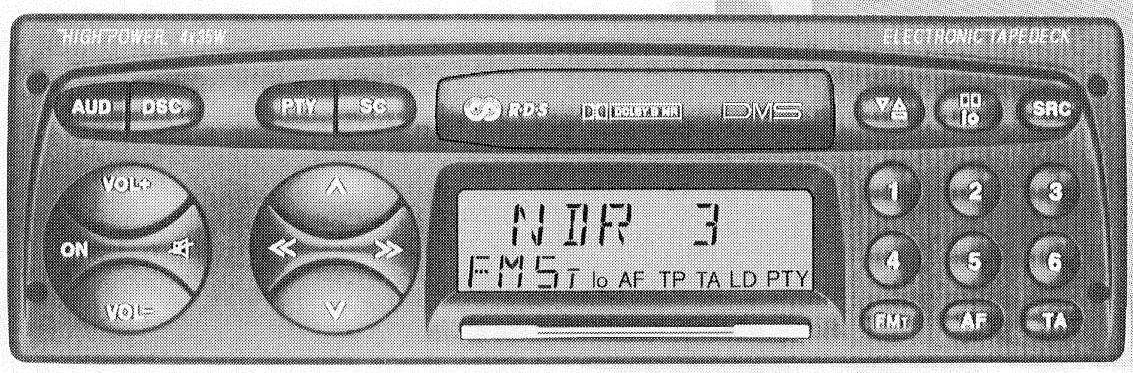
Radio / Cassette / Changer

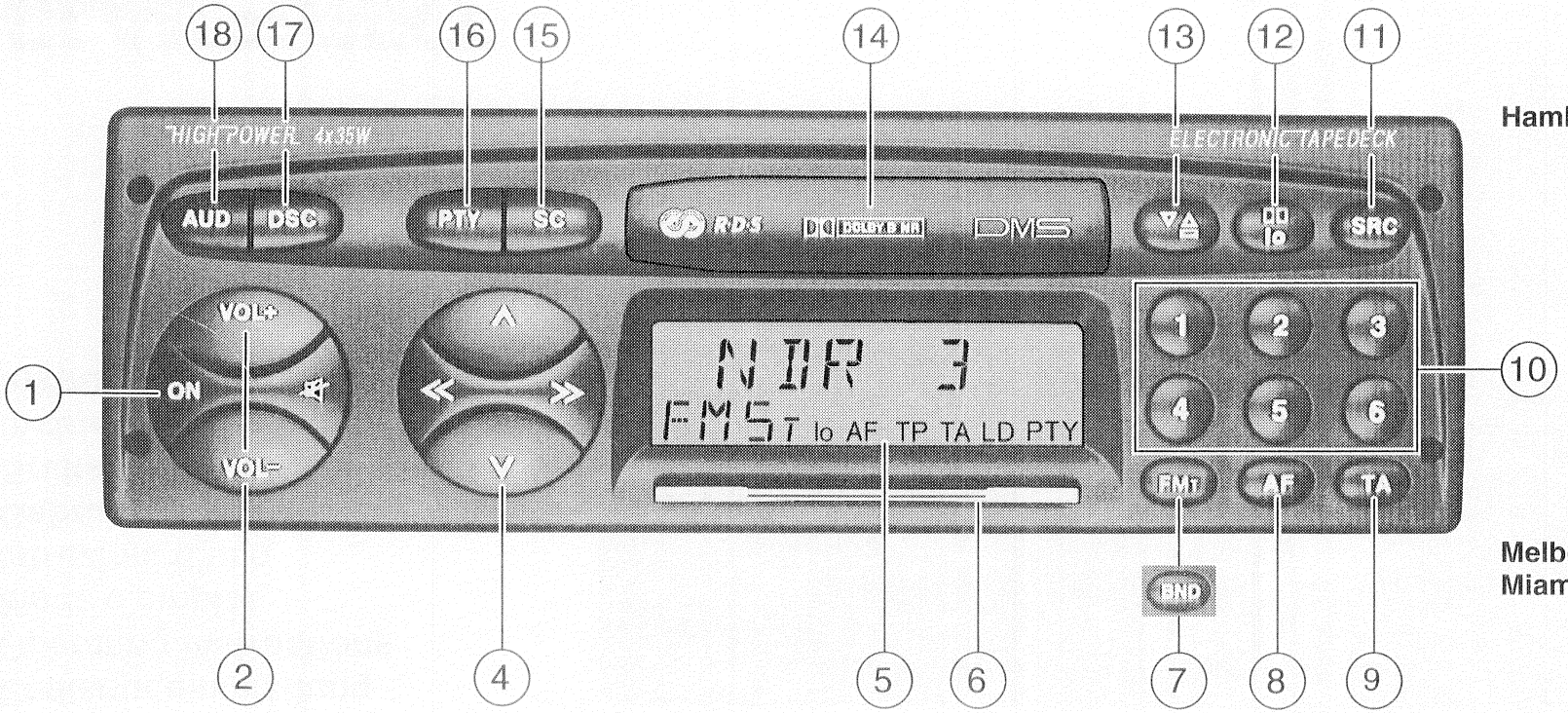
Hamburg RCM 148
Melbourne RCM 148
Miami DJ

Operating instructions



BLAUPUNKT

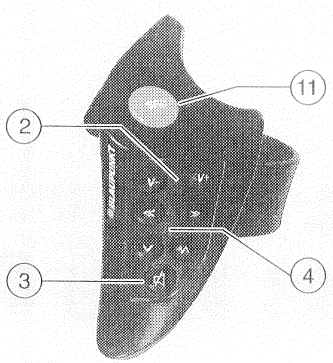
Bosch Gruppe



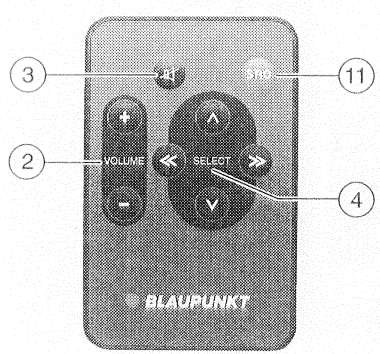
Hamburg RCM 148

Melbourne RCM 148
Miami DJ

RC 06 (Option)
RC 06 (optional)
RC 06 (en option)
RC 06 (optional)
RC 06 (Optie)
RC 06 (Tillval)
RC 06 (opcional)
RC 06 (opção)



Fernbedienungen
Remote controls
Télécommandes
Telecomandi
Afstandsbedienings
Fjärrkontroller
Mandos a distancia
Telecomandos



Hamburg RCM 148

Im Lieferumfang
Included in scope of delivery
Livrée avec l'appareil
In dotazione
Meegeleverd
Ingår i leveransen
Incluido en el suministro
Incluído no fornecimento

Contents

Quick reference 29

Important notes 34

Precautions 34
Traffic safety 34
Installation 34
Sound source mute 34
Accessories 35
Replacing the battery 35

KeyCard theft protection system .. 36

Operating the unit 36
Removing the KeyCard 36
"Training" a second KeyCard/
Replacing a KeyCard 36
Displaying the radio pass data 36
Short Additional Memory (S.A.M.) 37
Turn On Message (T.O.M.) 37
Optical indication of anti-theft
protection 37
Care of your KeyCard 37

Switching the audio source 37

Radio operation with RDS 38

AF - Alternative frequency 38
REG - regional programme 38
Selecting a waveband
(only Melbourne RCM 148, Miami DJ) . 38
Station tuning 39
Automatic tuning ∧/∨ 39
Manual tuning with << >> 39
Scrolling through the broadcasting
networks (FM only) 39
Changing the memory bank 39
Storing stations 39
Automatically storing the strongest
stations with Travelstore 40
Recalling stored stations 40
Scanning stored stations with
Preset Scan 40
Scanning stations with Radio-Scan 40
Selecting the seek tuning sensitivity 41
Switching from stereo to mono 41
Loudness 41
PTY – Programme-Type 41
Switching PTY on/off 41
Programme type 41
Checking the programme type of
the station 42
Displaying the selected programme
type 42
Selecting a programme type 42
Storing programme types 43
Scanning stations with PTY-SCAN ... 43
PTY priority 43

Receiving traffic programme stations with RDS-EON 44

Traffic announcement priority on/off 44
Beep tone 44
Switching off the beep tone 44
Automatic seek tuning start 44
Adjusting the volume for traffic
announcements and the beep tone 45

Tape operation 45

Inserting a tape 45
Removing a tape 45
Fast Forward/Rewind 45
Selecting titles with S-CPS 45
Switching the tape side (autoreverse) .. 46
Tape equalisation 46
Scanning cassette titles with SCAN 46
Dolby B NR* 46
Listening to the radio during fast tape
winding with RM (Radio Monitor) 46
Skipping unrecorded tape portions
with Blank Skip 46
Care notes 47

CD changer operation 47

Switching to the CD changer mode 47
Selecting CDs and titles 47
MIX playback 48
Selecting the display mode 48
SCAN 48
Entering CD names 49
Deleting CD names with DSC-UPDATE . 49

DSC programming 50

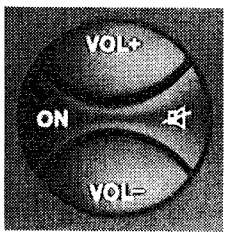
Overview of DSC factory settings 52

Appendix 52

Specifications 52
Blaupunkt telephone hotline 53

Quick reference

① **Switching on with the buttons:**
Press one of the buttons illustrated here after you have inserted the KeyCard.
The unit will play at the pre-adjusted volume.
Switch off with the ON button.



Switching on/off with the KeyCard:
When turned on, the set can be switched off and back on by removing and re-inserting the KeyCard.

Note:
Be sure to read the information in the section on "KeyCard theft protection system".

Switching on/off via the ignition:
If the equipment has been connected correspondingly, the set can also be turned on and off with the vehicle ignition.
After the ignition has been switched off, a double beep tone will remind you that you should remove the KeyCard before leaving your vehicle.

Switching on when the ignition is switched off:
To keep on operating the set when the ignition is switched off (KeyCard is inserted), proceed as follows:
Press **ON** after you hear the double beep tone.
The unit will turn on.
To prevent the battery from going dead, the system will turn off automatically after it has played for one hour.

② **VOL+ / VOL-**
To alter the volume.
Each time the set is switched on, it will play with the pre-adjusted volume (VOL FIX).
You may also change the VOL FIX setting (see chapter "DSC programming").

③ 🔇
For instantly muting the volume.
By pressing the 🔇 button the volume can be muted immediately. "MUTE" will appear in the display.
The function is cancelled by pressing button 🔇 or **VOL+**.
When pressing **VOL-**, the 🔇 (mute) volume will be adopted.
To programme the mute volume level, proceed as follows:

- Adjust the desired volume.
- Press 🔇 for 1 second until you hear a beep.

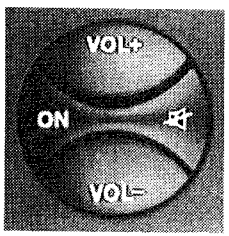
Now this volume level is stored as your mute volume.

Extra function 🔇
Memory button in the DSC menu.

ENGLISH

④ Rocker switch / remote control

Rocker switch



Radio operation

∧ / ∨ **Station search**
∧ Up
∨ Down

<< / >> Up/Down in short intervals (FM only; AF deactivated)

On FM only:
<< / >> To scroll through the station networks when AF is activated, e.g. NDR 1, 2, 3, 4, N-JOY.

Tape operation

∧ / ∨ **Title selection (S-CPS)**
∧ Up
∨ Down

>> **Fast forward**

<< **Fast rewind**

Stop function by pressing the opposite key.

Changer operation

Optional:
Hamburg RCM 148,
Melbourne RCM 148,
Included in scope of delivery:
Miami DJ

CD selection

>> **Up**

<< **Down**

Title selection

∧ **Upwards:** Press briefly.
CUE - fast advance (audible): Keep depressed.

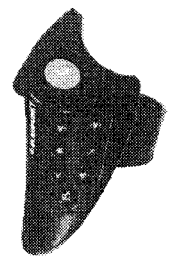
∨ **Downwards:** Press as many times as required.
To re-start a title: Press briefly.
REVIEW - fast reverse (audible): Keep depressed.

Extra rocker switch functions:
Further setting functions with
AUD ⑱
DSC Mode ⑰
PTY ⑯
Condition: The corresponding function is activated.

Remote control

RC 06 (optional)

Included in the scope of delivery with the Hamburg RCM 148



Using the remote control you can execute the same functions as with the corresponding buttons of the car stereo.

Exception:

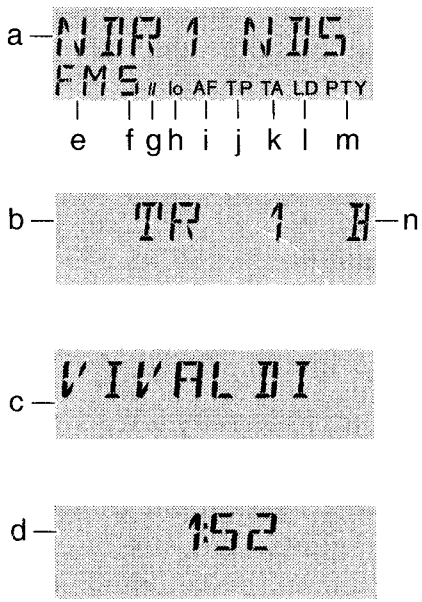
Radio operation

<< Press briefly.
To switch the FM memory bank.

<< Press for approx. 1 sec.
To store the six most powerful stations automatically with Travelstore.

>> To select one of the stations stored on memory bank I, II or T.

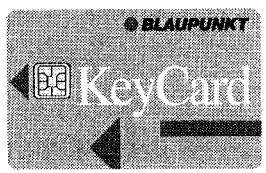
⑤ Display



a) NDR1 NDS - Station name
b) TR 1 - Track (side) 1 of the cassette
c) VIVALDI - CD name or
d) 1 : 52 - playback TIME or disc NUMBER during CD changer operation
e) FM - Waveband
f) 5 - Preset button (1-6)
g) I, II, T - Memory bank I, II or Travelstore
h) lo - Seek tuning sensitivity
i) AF - Alternative frequency for RDS operation
j) TP - A traffic station is being received
k) TA - Priority for traffic stations
l) LD - Loudness
m) PTY - Programme type function
n) B - Dolby B noise reduction

⑥ KeyCard theft protection system

To operate the set the KeyCard must be inserted first.



Insert KeyCard

When the KeyCard tongue is protruding out of the unit, insert the **KeyCard with the contact area facing up** into the slot in the middle of the area.
If necessary, pull the KeyCard forward.
Be sure to read the information in the section on "KeyCard theft protection system".

Flashing KeyCard tongue

When the radio is turned off and the KeyCard removed, the KeyCard tongue can be programmed to flash for optical theft protection.
For more information see the section on "DSC programming".

⑦ FMT *(Hamburg RCM 148)*
BND *(Melbourne RCM 148, Miami DJ)*

For selection of the FM memory banks I, II and T (Travelstore).
To switch over:
Press button repeatedly.
The selected memory bank will appear in the display.

Melbourne RCM 148, Miami DJ:
Additional selection of medium- and long-wave stations, provided that "AM ON" has been adjusted in the DSC menu.

Travelstore

To store and recall the six most powerful stations with Travelstore.
To store: Press button for approximately 1 sec. until you hear a beep and "T-STORE" appears in the display.
To recall: Select the memory bank "T" and press the corresponding preset button (1-6) briefly.

(8) **AF**

Alternative **f**requency during RDS operation:
When "AF" lights up in the display, the system will automatically seek a frequency offering better reception of the same RDS programme.
AF on/off: Press **AF** briefly.

Regional function on/off:
Press the **AF** button for approximately 1 sec. until you hear a beep.
"REG ON" or "REG OFF" will appear in the display (see chapter REG - regional programme).

(9) **TA** (priority for **t**raffic **a**nnouncements)
When "TA" lights up in the display, the system will play traffic stations only.
Priority on/off: Press **TA**.

(10) **1, 2, 3, 4, 5, 6 - preset buttons**
You can store six stations for each of the memory banks I, II, T, M and L.
To store a station: Press a preset button during radio operation and hold down until the set resumes play after the muting and you hear a beep.

To recall a station: Select the desired memory bank and press the relevant preset button briefly.

Extra function of preset buttons
To store and recall a PTY programme type.
When PTY is active ("PTY" lights up in the display), you can store and recall one programme type on/from each preset button on FM.

(11) **SRC** (**Sou**r**c**e)
You can switch between the different audio sources radio, cassette and CD-changer when a tape is inserted and a CD-changer hooked up.

(12) **DD / lo**

Radio operation

To switch the seek tuning sensitivity level:
Press button briefly.
If "lo" is displayed, the radio will only pick up strong, local stations (normal sensitivity).
If "lo" does not light up, the radio will also pick up weaker, distant stations (high sensitivity).

Extra function of lo button:
To switch between mono and stereo reception:
Press button for approximately 1 sec. (beep).
The selected condition will be briefly displayed.

Tape operation

DD
Dolby B NR*
Press this button to play back a tape which has been recorded with Dolby-B noise reduction. When this button is pressed, "B" lights up in the display.

* Noise Reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

(13) ∇ / ≙
To switch the tape side: Press briefly.
To eject the tape: Press for approximately 1 sec.

Extra function ∇ / ≙
Frequency display during radio operation:
Press button briefly.
The frequency will be briefly displayed.

⑭ **Cassette loading slot**
Insert the tape with side A or 1 facing up, the open side showing to the right.

⑮ **SC**

Radio operation

Scan
The scan function cannot be started unless PTY has been switched off ("PTY" does not light up in the display).
Press **SC** briefly -
The scanned frequency or station name will flash in the display. The display will show "FM SCAN" or "AM SCAN" while searching for the next station. The unit will scan all of the receivable stations of the selected memory bank/waveband.

Preset Scan
Preset Scan cannot be started unless PTY has been switched off ("PTY" does not light up in the display).
Press **SC** for approximately 1 second until you hear a beep.
"SCAN" will alternate with the name or frequency of the scanned station in the display.
The unit will scan all of the stations stored on the preset buttons of the selected memory bank/waveband.

To stop Scan / Preset Scan:
Press **SC** once again.

PTY-Scan
PTY-Scan cannot be started unless PTY is switched on ("PTY" lights up in the display).
All of the stations for the programme type selected will be scanned briefly.

Tape operation

Cassetten-Scan
Press **SC**.
"CC SCAN" will appear in the display.
All cassette titles will be scanned briefly.

To stop cassette scan:
Press **SC** once again.

Changer operation

CD-Scan
Press **SC** briefly.
"CDC SCAN" will appear in the display.
All CD titles will be scanned briefly.

To stop CD-Scan:
Press **SC** once again.

⑯ **PTY** (**P**rogramme **Ty**pe)
In the PTY mode, the preset buttons become programme type buttons. With every preset you can select one programme type, such as for example NEWS, SPORT, POP MUSIC, EDUCATE, etc.

⑰ **DSC** (**D**irect **S**oftware **C**ontrol)
In the PTY mode, the preset buttons become programme type buttons. With every preset you can select one programme type, such as for example NEWS, SPORT, POP MUSIC, EDUCATE, etc. With the << >> rocker switch, it is possible to recall all of the PTY programme types as long as the PTY function has been activated ("PTY" will light up in the display).

⑱ **AUD**
Adjusts the treble and bass frequencies.
Press **AUD** once and use the rocker switch to adjust the settings.

∧ Treble +
∨ Treble –
<< Bass –
>> Bass +

Setting the balance (left/right) and the fader (front/rear).
Press **AUD** twice:

∧ Fader front
∨ Fader rear
<< Balance left
>> Balance right

The settings selected will appear in the display. The last setting will be stored automatically.
Switching AUD off: Press the button once again.
If no changes are made within 8 seconds, the display will switch back to the previous condition.

Extra function AUD
Loudness - When listening at a low level, the Loudness function creates a more natural sound by boosting the low frequency range.
Loudness on/off: Press **AUD** for approximately 1 sec.
"LD" lights up in the display if the Loudness function is switched on.
Please refer to chapter "DSC programming" for more information on how to program the Loudness boost.

Important notes

Precautions

Before starting to use your new car radio, please read the following information carefully.

Traffic safety

Traffic safety always has the highest priority.
As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your car radio in a way that could distract you.
Please keep in mind that you travel a distance of 14 m per second at a speed of only 50 km/h.
Should the traffic situation become particularly demanding, we advise you not to use the radio.
Always make sure that you are still able to hear any warning signals coming from outside of the vehicle, such as police or fire engine sirens, so that you can react accordingly.
Therefore, you should always select a moderate volume for playing your car radio while you are driving.

Installation

If you would like to install your new car stereo yourself or add other audio components to existing ones, then please read carefully the enclosed instructions on installation and connection.
In order to ensure that the set operates properly it is necessary that the positive power supply line is connected to the ignition and the permanent +12 V lead.
Do not ground the loudspeaker outputs!

Sound source mute

If there is a mobile telephone installed in your vehicle, the radio, tape player or CD player can be muted automatically when the phone is being used.
"PHONE" will then appear in the display.
When TA is active, traffic messages will always have priority. The announcement will be aborted by pressing the **TA** button.

Accessories

Use accessories and spare parts approved by Blaupunkt only.

You can use the following Blaupunkt products with this car radio:

Amplifier

All Blaupunkt amplifiers, the preamp-out cable 7 607 893 093 is required.

Changer

CDC A 06, CDC A 072

Miami DJ:
CDC A 072 included in the delivery.

Remote control

With the infrared remote control RC 06 you can conveniently control all of the important functions of your car stereo system from the steering wheel in all modes of operation.

Hamburg RCM 148:
A manual infrared remote control is included in the scope of delivery.

Replacing the battery

When the remote control operates at short range, it's time to replace the battery.

Infrared steering wheel remote control (optional)

Please refer to the installation manual for more information on how to replace the battery.

Manual infra-red remote control (Hamburg RCM 148 only):

Pull out the battery holder in the direction of the arrow and remove the batteries cautiously.
Insert a new battery and insert the holder until it snaps into place.

Protect our environment!
Do not dispose of dead batteries with other household rubbish!

Please return them to your dealer or dispose of them at a toxic waste site.

KeyCard theft protection system

This car radio includes one KeyCard as standard equipment, but it can also be operated with a second card.

If you have lost your KeyCard or if it was damaged, you can buy a new one from your specialised dealer.

If you use two KeyCards, you can store the following functions individually for each card:

Bass, treble, balance and fader settings, Loudness, TA (traffic announcement volume), TA priority, AF, beep volume, mute volume, lo or dx, Colour, BLS, RM ON/OFF, Dolby B, PTY functions.

In addition, the settings which are activated before you switch the radio off, such as the waveband *(only Melbourne RCM 148, Miami DJ)* and station will also remained stored.

This ensures that you will find your basic settings re-adjusted automatically as soon as you have inserted your KeyCard.

Operating the unit

- Turn on the set.
  With the KeyCard tongue protruding out of the unit, insert the **KeyCard** into the slot **with the contact area facing up in the middle** of the area.

The car radio is now ready for operation.

If a wrong KeyCard is inserted, then "CARD ERR" followed by "WAIT" will appear in the display. In this case please do not make any further adjustments.
The system will switch off by itself after approximately 10 seconds.

If another card type is inserted (e.g. phone or credit card), the display will show "WRONG KC" for approximately 2 seconds.

Remove the wrong card and insert the correct KeyCard.

After the display indications "CARD ERR" or "WRONG KC":

- Press **ON** to turn on the set.

Removing the KeyCard

- Pull out the KeyCard tongue and remove the card.

"Training" a second KeyCard/ Replacing a KeyCard

When the unit is operated with the first KeyCard, you can "train" a second one which can also be used with the set.

To "train" a second KeyCard:

- Insert the first KeyCard and turn on the set.
- Press the **DSC** button and select "LEARN KC" by pressing ∧/∨.
- Press << or >>.

The display will switch to "CHANGE".

- Remove the first KeyCard and insert the new one while "CHANGE" still appears in the display.

After the display indication "READY" or "LEARN KC",

- press **DSC**.

Now you can also use the new KeyCard to operate your car stereo.

A maximum of 2 cards can be used for the set.

If you attempt to "train" a third one, the access authorisation for the KeyCard not used for the "training" process will be deleted automatically.

Displaying the radio pass data

Using the KeyCard supplied with your set you can have the radio pass data such as the model name, product number (7 6..) and serial number indicated on the display panel.
Please refer to chapter "DSC programming - READ KC".

Short Additional Memory (S.A.M.)

Using the second KeyCard to be purchased at any specialised dealership, you can program a short text by selecting the DSC menu item READ KC. This text will be moved through the display and might be the telephone number of a car repair service or the emergency call number of your auto club.
Any specialised dealer with the proper equipment can program the desired text with up to a maximum of 162 characters onto the KeyCard.

Turn On Message (T.O.M.)

Using the second KeyCard to be purchased at any specialised dealership, you can program the unit to display a selected "Turn On Message" after the set is switched on.
Any specialised dealer with the proper equipment can program the desired text with up to a maximum of 48 characters onto the KeyCard.
Each time you switch on your car radio using the second KeyCard, this text will appear in the display.

Optical indication of anti-theft protection

Flashing KeyCard tongue

When the vehicle is stationary and the KeyCard removed, the KeyCard tongue can be switched to flash for extra anti-theft security.
For this it is necessary that the positive power supply line and the permanent +12 V lead are connected such as described in the installation instructions.
Be sure that "LED ON" is adjusted in the DSC mode.
If required, please refer to chapter "DSC programming - LED".

Switching off the flashing light

If you would like to deactivate the flashing tongue in general, select "LED OFF" in the DSC menu.

Care of your KeyCard

In order to ensure that the KeyCard always functions correctly, it is important for the contacts to be free from any foreign particles. Avoid direct skin contact.
If necessary, clean the KeyCard contacts using a cotton swab dipped in alcohol.

Switching the audio source

Using the **SRC** button you can switch between the following audio sources:

radio,

tape,

changer *(optional for Hamburg RCM 148, Melbourne RCM 148).*

You can select the cassette or CD changer mode only if a cassette is inserted or if a CD changer is connected to your car radio.

To switch to another source,

- press **SRC** briefly.

Radio operation with RDS (Radio Data System)

The **R**adio **D**ata **S**ystem offers you more convenience when listening to FM radio stations.
More and more radio stations have begun to broadcast RDS information alongside their programmes.
As soon as a programme has been identified, the station name including a regional identifier, if applicable, will appear in the display, for example, NDR1 NDS (regional programme in Lower Saxony, Germany).
When RDS is activated, the preset buttons become programme buttons. You now know exactly which programme you have tuned into, making it easy to find the desired station quickly.
But RDS offers you further advantages:

AF - Alternative frequency

The AF (**A**lternative **F**requency) function makes sure that the strongest frequency of the currently selected programme is always tuned in automatically.
This function is activated when "AF" appears in the display.

In order to switch this function on or off,

- press the **AF** button briefly.

While searching for the strongest reception signal, the radio may switch to mute briefly.
If "SEARCH" appears in the display when switching on the radio or recalling one of the stored frequencies, the unit is automatically searching for an alternative frequency.
"SEARCH" will disappear from the display when the alternative frequency has been found or after the frequency band has been run through completely.
If the reception quality of the selected programme becomes too bad:

- Tune into another station.

REG - regional programme

Certain radio programmes are split up at times into regional programmes offering local information. The 1st programme broadcast by NDR, for example, offers programmes with different contents in the northern states of Germany Schleswig-Holstein, Hamburg and Lower Saxony at certain times of the day.
If you are listening to one regional programme and move to an area where another linked regional programme becomes stronger, the unit will switch to that programme.
If you wish to continue listening to the first programme,

- press the **AF** button for approximately 1 sec.
  "REG ON" appears in the display.

If you leave the service area of the regional programme tuned into, or if you would like to take advantage of the full RDS service, switch to "REG OFF".

- Press the **AF** button for approximately 1 sec. until "REG OFF" appears.

If the REG function is active, "REG ON" will be briefly displayed each time the radio is switched on.

Selecting a waveband

(only Melbourne RCM 148, Miami DJ)

You can select between the following wavebands:
FM 87.5 - 108 MHz
MW 531 - 1602 kHz
LW 153 - 279 kHz

- Press the **BND** button until the desired waveband shows on the display panel.

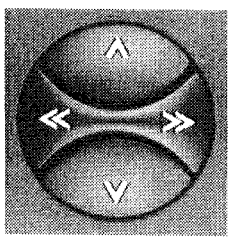
Note:
In the DSC menu you can deactivate the station selection on either MW or LW or for both wavebands at the same time.
This has the advantage that only the required bands will allow to be activated, so that you must press the BND button less often. For more information, please refer to chapter "DSC programming - AM ON/OFF".

Station tuning

Automatic tuning ∧/∨

- Press ∧/∨; the car radio will automatically search for the next station.

When keeping the upper or lower part ∧/∨ of the rocker switch depressed, seek tuning will speed up in upwards or downwards direction.



Seek tuning

∧ Up
∨ Down
<< / >> Up/Down in short intervals
(FM only, "AF" must be switched off)

Manual tuning with << >>

You can also tune in a station manually.

Condition:
AF and PTY must be switched off (i.e. the symbols do not light up in the display).

If necessary, deactivate these functions:

- Press **AF** or **PTY** briefly.

Manual tuning:

- Press << >>; the frequency will change in short intervals in downwards or upwards direction.

When holding the right or left part of the rocker switch depressed, the frequency scan is speeded up.

Scrolling through the broadcasting networks (FM only)

You can use the << >> buttons to tune in stations of your reception area.
If several programmes of the broadcasting networks can be received, you can scroll through them in forwards direction pressing >>, or backwards using the << button, e.g. NDR 1, 2, 3, 4, N-JOY.
For this it is necessary that the stations have been tuned in at least once and that "AF" is active (lights up in the display).
For this purpose, you may start Travelstore seek operation:

- Press **FMT** or **BND** for 1 sec.; the system starts to run through the frequency band. The display shows "T-STORE".

If "AF" does not light up,

- press **AF**.

This fulfils the requirements for selecting stations with << >>.

Changing the memory bank

You can shift between the memory banks I, II and T in order to store stations and recall them later.
The currently selected memory bank is indicated in the display.

- Press the **FMT** or **BND** button as many times until the desired memory bank lights up in the display.

Storing stations

On FM, you can store six stations on the preset buttons **1-6** for each of the memory banks I, II and T.
On MW/LW, you can also store six stations each. *(only with Melbourne RCM 148, Miami DJ)*

- Select the desired memory bank.
- Tune in a station with the rocker switch (either automatically ∧/∨ or manually << >>).
- Press and hold down the desired preset button until the radio resumes play after the muting (takes approximately 1 sec., confirmed by beep).

Now the station has been stored.

The activated preset button is indicated in the display.

Notice:
Should you tune in a station which has already been stored before, then the corresponding preset position and memory bank will briefly flash in the display.

Automatically storing the strongest stations with Travelstore

You can automatically store the six most powerful FM stations of your current reception area sorted according to their signal strength. This function is particularly convenient on longer trips.

- Press the **FMT** or **BND** button for 1 sec.

"T-STORE" will appear in the display.

The six strongest FM stations will be automatically stored on the memory bank "T" (Travelstore). When this process has been completed, the radio will play the first station stored on preset 1.
If desired, stations can also be stored manually on the Travelstore bank (see "Storing stations").

Recalling stored stations

You can recall any stored station at the touch of a button.

- Select the memory bank with **FMT** or **BND**.
- Press the corresponding preset button briefly to recall the station.

Scanning stored stations with Preset Scan

You can have all of the stored stations briefly scanned on all wavebands.

Preset Scan cannot be started unless PTY has been switched off ("PTY" is not lit up in the display).

To start Preset Scan:

- Press **SC** for approximately 1 sec.

All of the stored stations to be received will be scanned one after the other.

To select a scanned station and switch off Preset Scan:

- Press **SC** briefly.

Note:
If "TA" shows on the display panel, the system will scan the stored traffic stations only.

Scanning stations with Radio-Scan

You can briefly scan through all of the receivable stations of the selected waveband.

To start the Scan function:

- Press **SC** briefly.

The scanned frequency or station name will flash in the display. During the actual scanning process "FM SCAN" or "AM SCAN" will be displayed.

To select a scanned station and switch off Radio-Scan:

- Press **SC** briefly.

If no station is selected, the scan function will be automatically switched off after the frequency band has been run through completely. The unit will tune in the station listened to before starting the scan.

Selecting the seek tuning sensitivity

You can alter the automatic seek tuning sensitivity.
If "lo" is displayed, the radio will only pick up strong, local stations.
If "lo" does not light up, the radio will also pick up weaker, distant stations.

To switch the seek tuning sensitivity:

- Press **DX / lo** briefly.

The sensitivity level can be altered separately in both modes. Please refer to chapter "DSC programming - S-LO, S-DX").

Switching from stereo to mono

Every time the radio is switched on, stereo playback is activated automatically.
The unit will gradually switch to mono if reception is poor.
You can also switch between mono and stereo reception manually:

- Press the **DX / lo** button for approximately 1 sec.

The selected condition will briefly appear in the display.

Loudness

Adjusts the low bass frequencies for a more natural sound.

Switching Loudness on/off:

- Press the **AUD** button for approximately 1 sec.

When the Loudness function is active, "LD" will light up in the display.
See chapter "DSC programming" for more information.

PTY – Programme-Type

PTY is an RDS service offered by more and more radio broadcasters. This feature allows you to select FM stations according to their programme type. After you have chosen the PTY of your preference, the corresponding stations can be selected either by seek tuning or using the scan function.

Switching PTY on/off

- Press **PTY**.

When the function is active, the programme type selected last will briefly appear in the display. "PTY" will be permanently indicated in the lower right corner of the display panel.

Programme type

Use << >> to have the last selected programme type displayed and to choose a new one.
You can select any one of the stored types with the preset buttons 1-6.
Condition: PTY must be active.
Using DSC you can choose between German and English (see "DSC programming - PTY LANG").
All of the programme types listed below are available.
The letters printed in bold are identical to the actual short-time indication in the display.

NEWS
CURRENT **AFFAIRS**
INFORMATION
SPORT
EDUCATE
DRAMA
CULTURE
SCIENCE
VARIED
POP MUSIC
ROCK MUSIC
M.O.R. M (middle of the road music)
LIGHT M (light classical)
CLASSICS (serious classical)

OTHER M (other music)
WEATHER
FINANCE
CHILDREN'S PROGRAMMES
SOCIAL AFFAIRS
RELIGION
PHONE IN
TRAVEL
HOBBIES
JAZZ MUSIC
COUNTRY MUSIC
NATIONAL MUSIC
OLDIES MUSIC
FOLK MUSIC
DOCUMENTARY
ALARM **TEST**

Checking the programme type of the station

- Press **PTY** for approximately 1 sec.

After the beep tone the display will show the programme type offered by the tuned in station.
If "NONE" appears in the display, the current station has no PTY code.

Displaying the selected programme type

- Press << or >>.

The programme type selected last will be displayed briefly.

Selecting a programme type

a) Using the preset buttons

When PTY is switched on, you can use the preset buttons 1-6 to select the programme types stored at the factory.

- Press one of the presets 1-6.

The selected programme type will be displayed for 2 seconds.

If you wish to listen to a station with this PTY,

- press ∧/∨ to start seek tuning.

If the system is unable to find a station offering the selected programme type, the display will show "NO PTY" and a beep tone will be released. The station received before starting seek tuning will be tuned in.
You can assign different programme types to each preset position. Please refer to chapter "Storing programme types".

b) Using the << >> buttons of the rocker switch

When PTY is switched on, you can select a programme type using buttons << >>.

- Press << or >>; the programme type selected last will be displayed for 3 seconds.
- During this period press >> (forwards) or << (backwards) to select the desired type.
- Press << or >> as many times as required.

If you wish to listen to a station offering the selected PTY,

- press ∧/∨ to start seek tuning.

If the system is unable to find a station offering the selected programme type, the display will show "NO PTY" and a beep tone will be released. The station received before starting seek tuning will be tuned in.

Storing programme types

At the factory, one programme type was assigned to each of the preset buttons 1-6. If desired, you can also store other available programme types.
To do so, make sure that "PTY" lights up in the display.

- If necessary, press the **PTY** button to switch on the function.
- Select a programme type using buttons << >> and
- hold down the desired preset button (1-6) until you hear a beep.

Now the selected programme type can be recalled by pressing this preset. For this, the PTY function must be active.

Scanning stations with PTY-SCAN

Condition: "PTY" must appear in the display.

- Press the **SC** button.

All of the received stations offering the selected programme type will be scanned.

To switch off PTY-SCAN:

- Press **SC** once again.

PTY priority

Situation:

PTY is switched on and lights up in the display.
No station offering the selected programme type can be currently received (neither with seek tuning nor with scan).
The set will switch back to the previous station.
As soon as a programme with such PTY can be received within the broadcasting network, the unit will switch over to the corresponding station for the duration of the programme.

Example: German broadcasting network NDR:

- Station tuned in: NDR3.
- "PTY" lights up in the display.
- Programme type "POP" selected.
- Seek tuning is started.
- No station with "PTY-POP" can be found.
- The display shows "NO PTY" and
- automatically switches back to NDR3.
- NDR2 airs a "PTY-POP" programme.
- The system will switch to the linked NDR2 station for the duration of the "POP" programme.

During cassette or CD-changer operation, the set will also automatically switch to the programme offering the selected PTY within the broadcasting network.
After the PTY programme the system will remain in the radio mode.

Notice:
As mentioned earlier, these functions are currently only supported by a limited number of RDS stations.

Receiving traffic programme stations with RDS-EON

The abbreviation "EON" stands for Enhanced Other Networks, meaning the exchange of information within a radio network. Many FM broadcasters offer traffic messages for their service area at regular intervals. All traffic programme stations transmit a special carrier signal alongside their programmes, which is decoded by your car radio. If this signal is identified, "TP" will appear in the display (**T**raffic **P**rogramme).
In addition to these, there are also stations which do not actually transmit traffic programmes themselves, but by using RDS-EON they offer the possibility to receive the traffic messages broadcast by another traffic programme station in the same radio network.
If you wish to have the priority for traffic announcements activated while listening to one of these stations (e.g. NDR3), "TA" must appear on the display panel.
If a traffic announcement is broadcast, the radio will automatically switch to the linked traffic programme station (in this case, NDR2) for the duration of the message and return to the original programme (NDR3) afterwards.

Traffic announcement priority on/off

If the priority for traffic announcement programmes is activated, "TA" will light up in the display.

To switch the priority on or off:

- Press the **TA** button.

When pressing **TA** while a message is being broadcast, this message will be interrupted. The unit will then switch back to the previous condition. The priority for all other traffic messages remains active.
Please note that several buttons have no function while a traffic announcement is broadcast.

Beep tone

If you leave the reception area of the traffic programme station currently tuned into, you will hear a beep tone approximately every 30 seconds.
This tone will also be released when pressing a preset button which has no traffic programme allocated to it.

Switching off the beep tone

a) Tune into another station offering traffic information:
   - Press the rocker switch or
   - press a preset button which has a traffic programme station allocated to it.

Alternatively:

b) Switch off the priority for traffic announcements:
   - Press **TA**.

   "TA" will disappear from the display.

Automatic seek tuning start

(tape and CD changer operation)

When leaving the reception area of the tuned in traffic programme station while listening to a tape or CD, the system will automatically start searching for a new TA programme.
If no such station is found within approximately 30 seconds, you will hear a warning beep every 30 seconds. To switch off the beep tone proceed as described above.

Tape operation

Adjusting the volume for traffic announcements and the beep tone

This volume was preset at the factory, though you can alter the value using the DSC function (see "DSC programming, TA VOL").
If the volume level is altered while a message is being played, this will only affect the current announcement.

The car stereo has to be switched on.

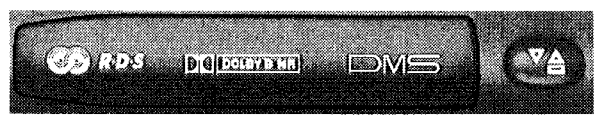
The unit will automatically switch to tape operation when inserting a cassette.

Inserting a tape

- Turn on the set.
- Insert a tape.

The cassette will be automatically transported to the playback position. Side A or 1 starts to play.
During tape operation, "TR 1" or "TR 2" (track) will be indicated on the display panel.

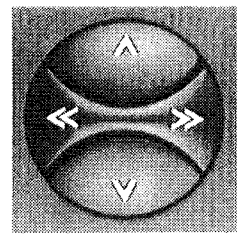
Insert the tape with side A or 1 facing up, the open side showing to the right.



Removing a tape

- Press ▽≙ for 1 sec.
  The cassette will eject.

Fast Forward/Rewind



>> **Fast forward**

<< **Fast rewind**

∧ / ∨ **Title selection (S-CPS)**
∧ Up
∨ Down

Stop function by pressing ▽≙.

Selecting titles with S-CPS

(**S**uper **C**assette **P**rogramme **S**earch)

Use this function to skip (∧) and repeat (∨) recorded titles.
A maximum of nine titles can be skipped. To do so,

- press the rocker switch as many times as required.

The number of titles to be skipped appears on the display panel.
If necessary, you can correct your entry by pressing the opposite rocker switch button.
Stop immediately by pressing ▽≙.

ENGLISH

For a proper operation of the S-CPS function there has to be an unrecorded tape portion of at least three seconds between the individual titles.

Switching the tape side (autoreverse)

To change the tape direction during cassette playback:

- Press ▽≙ briefly.

At the end of a tape side the mechanism changes directions automatically to play the other side (autoreverse). The display shows "TR 1" for track (side) 1 or "TR 2" for track 2.

Notice:
If there is too much tension on the tape during playback, the set may switch over by itself before having reached the end of the tape side. In this case check the condition of the cassette tape. Sometimes it helps to rewind it completely.

Tape equalisation

When a metal or CrO_2 tape is inserted, the tape mechanism automatically adjusts to metal/CrO_2 tape equalisation.

Scanning cassette titles with SCAN

You can have the cassette titles played briefly by using the scan function. If you like a title, stop the scan to continue listening to that track.

To start/stop the scan function:

- Press the **SC** button briefly.

Scan condition: There has to be an unrecorded tape portion of at least 3 seconds between the individual titles.

Dolby B NR*

With this unit you can play back tapes recorded with Dolby-B NR or without noise reduction.
Cassette tapes recorded with Dolby NR* stand out by their reduced tape hiss and the improved dynamics.
If Dolby-B NR is switched on, "B" will light up in the display.

To switch on/off:

- Press ◻◻ / **Io**.

* Noise Reduction system manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Listening to the radio during fast tape winding with RM (Radio Monitor)

When the tape is fast forwarded or rewound (also with CPS), the radio will normally be muted. In order to listen to the radio during fast winding, you can activate the Radio Monitor function.
For more information please refer to chapter "DSC programming - RM ON/OFF".

Skipping unrecorded tape portions with Blank Skip

This function senses an unrecorded tape portion continuing for more than 10 seconds and automatically fast forwards the cassette to the beginning of the next track.
Please refer to chapter "DSC programming - BLS ON/OFF" for more information on how to use this function.

CD changer operation

Care notes

To avoid possible problems, we recommend you to use C-60/C-90 type cassette tapes only. Store your tapes in a cool place away from dirt, dust and temperatures exceeding 50 °Celsius. Allow very cold tapes to warm up before playing them in order to avoid uneven tape transport. After approximately 100 hours of use, dust particles collected on the playback head or roller may lead to tape run problems and sound distortions.
Use a head cleaning tape to remove normal dirt build-up. For tougher cases, use a cotton swab (Q-Tip) dipped in alcohol. Do not attempt to clean by inserting a hard object into the player!

Optional:
Hamburg RCM 148, Melbourne RCM 148

Included in scope of delivery:
Miami DJ

This piece of equipment offers you convenient control of a Blaupunkt CD changer CDC-A 06, CDC A 072.

Note:

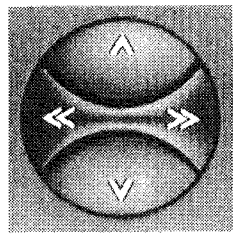
Use only perfectly circular CDs.
CDs manufactured in the shape of a butterfly or a beer mug, for example, are not suitable for use with this equipment.
Using such CDs can very likely result in the destruction of the CD and the CD drive.
We assume no responsibility for damages caused by using unsuitable CDs.

Switching to the CD changer mode

Make sure that at least one CD has been inserted into the magazine.
Press **SRC** to toggle the audio source:

- Press repeatedly until the CD functions appear in the display.

Selecting CDs and titles



CD selection

>> Up

<< Down

Title selection

∧ **Upwards:** Press briefly.
CUE - fast advance (audible): Keep depressed.

∨ **Downwards:** Press as many times as required.
To re-start a title: Press briefly.
REVIEW - fast reverse (audible): Keep depressed.

ENGLISH

MIX playback

You can have the CD tracks played in random order.

Select the desired MIX mode in the DSC menu.

MIX CDC – The MIX mode is active:
The individual discs and the titles of the selected CD are chosen randomly. After all titles have been played, the next CD will be selected at random again.
Use ∧ to select a CD title in random order.

MIX OFF – The MIX function is deactivated. Discs and titles will be selected in numeric order.

To change the MIX mode:

- Press **DSC**.
  Select "MIX" using the rocker switch ∧/∨ and adjust with << / >>.

If the function is active, "CDC MIX" will be displayed every time CD changer operation is activated.

Selecting the display mode

You can select the desired display mode for CD playback:

"NAME" – The specified name, for example "MADONNA", will be displayed.

"TIME" – The elapsed playback time of the current title is displayed, for example "2 : 32".

"NUMBER" – The CD number, such as "CD 8" is displayed.

To switch the display mode:

- Press **DSC**.
  Use the rocker switch ∧/∨ to select "CDC DISP".
- Use << >> to adjust to "NAME", "TIME" or "NUMBER".

You can also change the display mode immediately for the title currently playing by pressing ∇⏏.

SCAN

Use this function to scan all of the CD tracks.

To start the Scan function:

- Press **SC**.

The titles will be scanned one after the other in ascending order.

To stop the Scan function:

- Press **SC** briefly.

The track currently being scanned is continued to be played.

SCAN will also be terminated by

- pressing one of the buttons **AUD**, **DSC**, **SRC**, << >> or ∧/∨.

Entering CD names

You can name up to 99 discs using the DSC function.
The specified name (e.g. VIVALDI) will then appear in the display.
Be sure to select the display mode "NAME" under DSC-CDC DISP.

To start the entry:

- Press the **DSC** button.
- Press ∧/∨ until "CDC NAME" appears on the display panel.
- Press 🔇.

The first underscore character will flash.

- Select the first character with the help of the rocker switch ∧/∨.

You have the choice between the capital letters A to Z, the numbers 0 to 9 and special characters.

- Use the rocker switch << >> to move to the next underscore and select a character.

You can select up to seven characters.

Once you have completed the name as desired:

- Press 🔇 in order to store it.

To quit the naming mode,

- leave the DSC menu by pressing **DSC**.

If you would like to name another CD,

- select a new disc.

You can change any existing name by entering and storing a new one (overwriting).

Deleting CD names with DSC-UPDATE

You can delete the stored name(s) of one or all CDs using the CDC UPD (update) function of the DSC menu.

- Select the disc whose name you wish to delete.
- Press the **DSC** button.
- Press ∧/∨ to select "CDC UPD".
- Press << >> to select CLR DISC, if you want to delete the name of the selected disc only, or
- press << >> to select CLR ALL, if you want to delete the names of all CDs.

  Attention: CLR ALL deletes the stored names of all discs, even though they are not inserted in the magazine.
- Start the deletion by pressing 🔇.

To quit the function,

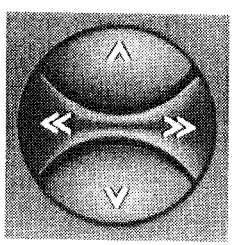
- press **DSC**.

DSC programming

DSC (**D**irect **S**oftware **C**ontrol) allows you to customise certain programmable, basic settings to suit your personal needs and preferences and then store them.
The basic settings for this audio equipment were made at the factory.
In the following you can find an overview of these settings, so that you can always reset to these if desired.
If you wish to alter any of the programming,

- press **SRC** to choose the desired operating mode (e.g. radio, if you wish to change the language with PTY LANG).
- press **DSC**.

Use the rocker switch to select and adjust the functions described in the following. The display will show you the adjusted condition.



∧/∨ Select function
<< >> Adjust/recall value

AM ON / OFF *(Melbourne RCM 148, Miami DJ)*
You can deactivate one or both AM bands (MW/LW) in order to reduce the number of bands for selection with **BND**.

selectable:

AM ON – all bands
MW OFF – LW, FM
LW OFF – MW, FM
AM OFF – FM

MIX For changer operation only.

MIX CDC -
CD selection at random.
All titles of this disc will be chosen in random order as well.
The next disc is again selected at random.

MIX OFF -
The MIX function is switched off.

CDC DISP For changer operation only.
To select the display mode NAME, TIME, or NUMBER.
See changer operation - Selecting the display mode).

CDC NAME Only available for CD changer playback (optional).
Use this function to name your CDs. (See "Entering CD names").

RM ON / OFF (**R**adio **M**onitor)
For tape operation only.
Allows you to listen to the radio during fast winding of the tape.
RM ON – Radio playback activated
RM OFF – Function deactivated

BLS (Blank Skip – to skip unrecorded tape portions automatically)
For tape operation only.
BLS ON – Automatic fast tape forwarding if the system senses an unrecorded tape portion continuing for more than 10 seconds.
BLS OFF – The function is deactivated.

LOUDNESS When listening at a low level, the Loudness function creates a more natural sound by boosting the low frequency range.
LOUD 1 - Low boost
LOUD 6 - Max. boost

TA VOL To adjust the traffic announcement and beep tone volume from between 0 to 63.
The message will then come through at this volume, if the standard volume is lower.
If the standard volume is higher than the TA VOL level, the traffic report will be played slightly louder than the standard volume.

BEEP Acknowledgement tone for all functions which require a button to be pressed for more than 1 second.
The volume can be adjusted from between 0 to 9. (0 = off)

COLOUR To match the display illumination with the dashboard lighting from green to orange.

LED ON/OFF You can choose between LED ON or LED OFF. With LED ON, the KeyCard tongue will flash for extra anti-theft protection when the unit has been switched off and the KeyCard removed.

LEARN KC To "train" a second KeyCard.
Please read the information in chapter "KeyCard theft protection system - Training a second KeyCard".

READ KC To read out the KeyCard data.
The KeyCard supplied with the radio is used to display the model name, type number (7 6..) and the serial number.
Using the second KeyCard to be purchased at any specialised dealership it is possible to display the Short Additional Memory (S.A.M.) data entered by the dealer.
See chapter "Short Additional Memory S.A.M.".

PTY LANG For radio operation only.
To select the programme type language: DEUTSCH or ENGLISH

S-DX To adjust the seek tuning sensitivity for distant reception.
DX 1 - high sensitivity
DX 3 - low sensitivity

S-LO To adjust the seek tuning sensitivity for local reception.
LO 1 - high sensitivity
LO 3 - low sensitivity
The seek tuning sensitivity values can be set separately for AM and FM.

CDC UPD Use this function to delete CD names during CDC operation, in order to free memory space for new discs.
See "Deleting CD names with DSC-UPDATE".

AUX ON/OFF Please note that this item will not appear if you have connected a CD changer. Default setting: AUX OFF. Adjust to AUX ON if you have connected an external piece of equipment to the AUX socket.

VOL FIX Use this function to select the volume at which the radio is set when it is switched on. Adjust the desired volume level with << >>. When adjusted to "VOL 0", the system will come on with the volume selected before switching it off.

To quit the DSC programming mode and store the adjustment:

- Press **DSC**.

Overview of DSC factory settings

MIX	OFF
RM	OFF
LOUDNESS	3
TA VOL	35
BEEP	4
LED	ON
COLOUR	green
LEARN KC	-
READ KC	-
PTY LANG	ENGLISH
S - DX	1
S - LO	1
VOL FIX	25

Melbourne RCM 148, Miami DJ:

AM	ON

Appendix

Specifications

Amplifier

Output power: 4 x 23 W RMS power acc. to DIN 45324 at 14.4 V
4 x 35 W max. power

Tuner

Wavebands:
FM : 87.5 – 108 MHz

Melbourne RCM 148, Miami DJ:

MW 531 – 1602 kHz
LW 153 – 279 kHz

FM sensitivity: 0.9 µV at 26 dB signal-to-noise ratio

FM frequency response:
30 - 16 000 Hz

Tape player

Frequency response:
30 - 18 000 Hz

CD changer

Frequency response:
5 - 20 000 Hz

Subject to modifications!

Blaupunkt telephone hotline

Address of the next service centre in your vicinity (only for Germany)

If you would like to know the address of the next Blaupunkt service centre of your area without having our service list at hand:

- Find out your area code.
- Then call the following chargeable phone number: **01 80 / 5 25 56 66**.
- Using the area code to be entered you will be automatically given the address and phone number of the next Blaupunkt service centre. You can also request this information by fax.